

Sub Q'

4b a' In a photoelectric converting apparatus including a sensor unit, a transfer unit, and a memory unit, noise can be minimized. The photoelectric converting apparatus comprises a sensor unit including a plurality of pixels each having at least photoelectric converting means and first amplifying means for amplifying a signal derived from the photoelectric converting means to output the amplified signal, and a memory unit including a plurality of memories each having at least storing means for storing therein the signal derived from the sensor unit and second amplifying means for amplifying a signal derived from the storing means to output an amplified signal. Then, a gain of the first amplifying means is made different from a gain of the second amplifying means.